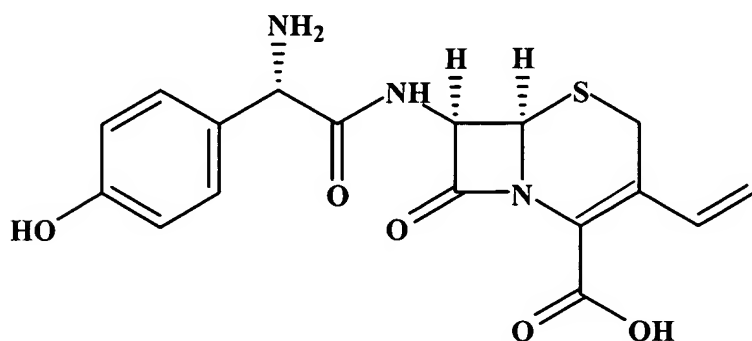


ABSTRACT

Improved process for preparation of 7-[α -amino (4-hydroxyphenyl) acetamido]-3-(1-propen-1-yl)-3-cephem-4-carboxylic acid

A process for preparation of 7-[D- α -amino- α -(4-hydroxyphenyl) acetamido]-3-(1-propen-1-yl)-3-cephem-4-carboxylic acid viz. Cefprozil of formula (I) in high purity, substantially free of impurities,



which comprises preparation of mixed acid anhydride by selecting the sequence and temperature of addition of the reagents and its subsequent condensation with a protected 7-APCA; followed by hydrolysis, isolation and purification to give Cefprozil of formula (I) in the form of a monohydrate.